



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IX

75 Hawthorne Street  
San Francisco, Ca. 94105-3901

JAN 31 1992

MEMORANDUM

SUBJECT: Sampling Results from Wells Near the Salt River Pima-Maricopa Indian Community's Landfill

FROM: Roccena B. Lawatch, Indian Coordinator  
Office of Pacific Island and Native American Programs *Roccena*

TO: Laura Yoshii, Deputy Director  
Waste Programs (H-1)

During EPAs recent visit (January 27th) to the Salt River, the Tribe provided me with a copy of the attached summary of data collected from the wells in the vicinity of the Tri-Cities Landfill over the past ten years. I am providing you with this summary in hopes that your office might review the data to ascertain if there appear to be any indications of problems from the information available.

Rumor has it that ADEQ might be testing for "toxic" releases from the landfill. When we were at Salt River earlier this week, Senator McCain asked if EPA had plans to do the same as he felt anything we could do to show that the recent "discharge" from the landfill was not presenting a significant threat could help in this highly publicized situation.

Please let me know if the review of this summary is possible or if there is anything your office might be able to offer to address the concerns of ADEQ, the public and Senator McCain with regard to potential hazardous releases which might impact the Salt River or the groundwater.

Please contact me at 4-1602.

cc: Clyde Morris (W-7-2)  
Doris Betuel (W-6-3)

  
ENTERED

- *San Juan Community Wells*  
*near Tri-Cities Landfill*

HISTORICAL WATER-LEVEL  
 MEASUREMENTS FOR MONITOR WELLS

<u>Date</u>	<u>Depth to Water (feet)</u>				
	<u>East</u>	<u>West</u>	<u>MW-1</u>	<u>MW-2</u>	<u>MW-3</u>
07/80	191				
09/80	-	194			
01/07/81	211.1	-			
08/17/81	228.6	223.8			
12/11/81	239.4	-			
10/11/85	178.8	171.0			
12/15/87	190.2	181.4			
11/06/89	-	-	157		
12/18/89	-	-	-	181	
02/16/90	-	-	166.2	-	-
02/22/90	-	-	166.5	174.4	189.9
02/27/90	191.5	188.3	165.6	184.8	188.9
03/01/90	-	-	167.0	186.0	190.1
04/05/90	202.3	194.4	174.4	190.3	192.8
04/17/90	203.0	195.7	176.0	191.1	193.7
09/25/91	208.5	200.0	175.2	196.7	201.9

Depth to water measured below the measuring point with an electric sounder.

# VOLATILE HALOCARBON CONTENTS IN WATER FROM MONITOR WELLS

Well No.	Date	Volatile Halocarbon Content (ppb)										Trichloro- Fluoromethane	Dichlorodi- Fluoromethane
		TCE	PCE	1,1-DCE	Trans- 1,2-DCE	Cis- 1,2-DCE	Vinyl Chloride	1,1-DCA	1,1,1-TCA	1,2-DCA	Freon -113		
East	01/07/81	38	3.1	-	-	-	-	-	-	-	-	-	-
	10/11/85	1.2	5.1	4.2	2.5	-	<1	12	1.2	0.7	2.1	-	-
	06/09/87	1.0	5.6	5.4	3.7	-	15*	12	<1	<1	-	-	-
	12/15/87	1.3	3.5	<0.5	<0.5	-	<0.5	6.1	<0.5	<0.5	-	-	-
	03/01/90	2.9	3.8	0.7	<0.5	3.1	<0.5	5	<0.5	<0.5	-	-	-
	09/25/91	4.4	1.1	<0.5	<0.5	2.3	0.7	3.6	<0.5	<0.5	1.6	1.6	13
West	01/07/81	1.7	2.8	-	-	-	-	-	-	-	-	-	-
	10/11/85	12	2.7	<0.5	7.9	-	<1	13	<0.5	<0.5	3.6	-	-
	06/09/87	9.3	1.0	<1	7.7	-	19*	13	<1	2.7	-	-	-
	12/15/87	8.3	1.7	<0.5	<0.5	-	<0.5	8.5	<0.5	<0.5	-	-	-
	04/17/90	3.4	0.8	<0.5	<0.5	2.2	<0.5	4.8	<0.5	<0.5	<0.5	-	-
	09/25/91	2.0	3.7	0.9	<0.5	2.8	1.2	8.7	<0.5	<0.5	1.2	2.2	18
MW-1	02/16/90	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	-	-	-
	09/25/91	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
MW-2	02/22/90	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	-	-	-
	09/26/91	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	3.1
MW-3	02/22/90	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	-	-	-
MCL		5	5	7	100	70	2	N.A.	200	5	N.A.	N.A.	N.A.

Samples collected in 1981 were analyzed by Stoner Laboratories, Santa Clara, California. Samples collected in 1985 were analyzed by California Analytical Laboratories, W. Sacramento, California. Samples collected in June 1987 were analyzed by Arizona Testing Laboratories, Phoenix, Arizona. Samples collected in December 1987, 1990, and 1991 were analyzed by APPL, Inc. of Fresno, California. \*Apparently a lab error.

# VOLATILE HALOCARBON CONTENTS IN WATER FROM GRAVEL PROCESSING WELLS

## Volatile Halocarbon Content (ppb)

Volatile Halocarbon Content (ppb)									
<u>Location</u>	<u>Owner</u>	<u>Date</u>	<u>TCE</u>	<u>PCE</u>	<u>1,1-DCE</u>	<u>Trans-1,2-DCE</u>	<u>Cis-1,2-DCE</u>	<u>Vinyl Chloride</u>	<u>Dichloro-difluoro-Methane</u>
(A-1-5) 3acc	CalMat	05/07/85	12	5.7	<0.5	1.7	-	-	-
		10/17/85	16	7.7	0.8	<0.5	-	7.3	-
		10/21/85	17	8.4	1.7	<0.5	-	8.8	-
		03/15/90	12	5.7	<0.5	<0.5	3.4	<0.5	-
		09/30/91	10	5.3	0.7	<0.5	2.9	<0.5	6.2
4dad	Mesa Sand & Gravel	05/07/85	0.6	0.8	<0.5	<0.5	-	-	-
		10/21/85	0.5	0.6	<0.5	<0.5	-	<1	-
		02/22/90	0.6	0.7	<0.5	<0.5	-	<0.5	-
		09/24/91	0.8	0.8	<0.5	<0.5	<0.5	<0.5	<1
(A-2-5)34ccb	Union Rock	05/21/85	<0.5	<0.5	<0.5	<0.5	-	-	-
		10/18/85	0.7	1.0	<0.5	<0.5	-	3.4	-
		02/27/90	1.2	1.5	<0.5	<0.5	-	<0.5	-
		09/24/91	0.6	0.8	<0.5	<0.5	<0.5	<0.5	<1
Maximum Contaminant Level			5	5	7	100	70	2	

Samples collected in 1985 were analyzed by California Analytical Laboratories, W. Sacramento, California. Samples collected in 1990-91 were analyzed by APPL, Inc., Fresno, California.